

ABSTRACT OF DISCLOSURE

A flexible electronic asset management system using Ethernet connectivity for electronic devices is presented. The invention enables multiple electronic devices to be controlled, monitored, and accessed from any browser connected to a computer network. A contention manager enables multiple services to share common communication ports in real time, on an as-needed basis. A pass-through condition may be created whereby the management system may be inserted into a pre-existing communication path for implementation of access, monitoring and/or control, without disrupting the pre-existing communication.